

Synology SAT5210-3840G

Synology SAT5210 3.84TB 2.5" SATA 6Gb/s Solid State Drive

Product Overview

Synology SAT5210 3.84TB 2.5" SATA 6Gb/s Solid State Drive, 530 MB/s read speed, 500 MB/s write speed, 2.5" 7mm Form Factor



Specifications

Features:

Enterprise solid-state drives

Synology SAT5200 Series SATA SSDs offer stable I/O performance while reducing the latency of critical services and applications. They are built to handle mixed and intensive 24/7 workloads without compromising on endurance, providing a streamlined storage experience on Synology systems with minimal service disruptions.

Performance

Up to 67,000 4K random write IOPS

Endurance

Up to 8,533 TBW for 24/7 enterprise workloads

Analytics

Actionable insight for optimal performance and longevity

Updates

Automatic firmware updates with DSM

Stable high performance for demanding environments

Engineered for demanding environments such as for online transaction processing (OLTP) databases and virtualization deployments, Synology SAT5200 Series drives deliver consistently high performance.

8,533 TBW

Built to withstand 24/7 intensive workloads with endurance up to 8,533 TBW.

End-to-end data protection

Data integrity and consistency are safeguarded over the entire data transfer path.

Power loss protection circuit design

Dedicated capacitors provide sufficient power to flush data-in-flight into NAND flash during a power loss event, further preventing data corruption.

Better analytics

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Product Specification Sheet

Full integration with Synology DiskStation Manager (DSM) enables lifetime analytics for each SAT5200 Series drive based on actual workloads.

Timely notifications

Plan further ahead for uninterrupted system performance and longevity with timely notifications.

Optimal use

Easy monitoring allows you to make optimal use of each SSD.

Effortless firmware updates

Synology DSM keeps your drives up to date automatically. No need for separate maintenance sessions.

Purpose-built for Synology systems

Synology SAT5200 Series SSDs are thoroughly validated for our systems following each engineering change, while firmware and component changes are strictly managed. Intensive I/O stress, power cycling, and temperature trials ensure that all products meet our strictest standards for quality and reliability.

Specifications:

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Specifications	
Product Code	Synology SAT5210-3840G
Item	SAT5210-3840G
General	
Capacity	3.84 TB
Form Factor	2.5" 7mm
Interface	SATA 6 Gb/s
Performance	
Sustained Sequential read (128 KB, QD32)	530 MB/s
Sustained Sequential write (128 KB, QD32)	500 MB/s
Sustained Random Read (4KB, QD32)	98,000 IOPS
Sustained Random Write (4KB, QD32)	60,000 IOPS
Endurance and Reliability	
Terabytes Written (TBW)	8,533 TB
Power Loss Protection	Yes
Power Consumption	
Active Read (Typ.)	2.8 W
Active Write (Typ.)	3.3 W
Idle	1.4 W
Temperature	

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Product Specification Sheet

Operating Temperature	0 degreesC to 70 degreesC (32 degreesF to 158 degreesF)
Storage Temperature	-40 degreesC to 85 degreesC (-40 degreesF to 185 degreesF)

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/Synology-SAT5210-3840G-Synology-SAT5210-3-84TB-2-5-Buy-p-287094.php>

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